

**NATURAL RESOURCES CONSERVATION SERVICE  
SPECIFICATION GUIDE SHEET**

**PRECISION LAND FORMING**

**CODE 462**

**GENERAL**

Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

**SITE PREPARATION**

The land to be formed shall be cleared of brush, crop residue, trash, and vegetative material that can materially reduce the effectiveness of forming operations.

**BORROW LOCATION**

Soil for land-forming operations shall be obtained from the designated cut areas in the field or from other designated borrow areas as specified in the plans.

**LAND-FORMING OPERATIONS**

The land shall be formed to the designed grade or grades. Fills of more than 6 in. (152 mm) shall be placed by spreading the soil in successive layers. Land-forming operations shall not be performed when the ground is frozen or if soil moisture conditions are such that they could cause excessive damage to the soil structure, resulting in poor crop growth or detrimental settlement.

The moisture content of the earthfill material during placement and compaction shall be maintained within the limits which will: (a) prevent bulking and dilatence of the material under the action of the hauling and compacting equipment; (b) prevent the adherence of the material to the treads and tracks of the equipment; and (c) ensure the crushing and blending of the soil clods and aggregation into

a reasonably homogenous mass.

Construction operation shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits.

After cuts and fills are completed, the land shall be smoothed to remove minor irregularities.

**FINISHED GRADES**

All land-forming work shall be finished according to the design and to the tolerances specified. The completed job shall be workmanlike and present a good appearance.

Permissible variation of the finished slope from the planned slopes shall be 0.10 foot, plus or minus at any point in the field. The elevation at the upper and lower ends of the field may exceed the permissible variation of 0.1 foot as long as slopes are within the allowable slopes and drainage will not be impeded. After leveling, a maximum of 10% of the area shall not be more than 0.1 foot above or below the finished grade. In no case will depressions be allowed unless they are located near the outlet where drainage can be easily achieved.